

# Asia-Oceania GEOSS: User Engagement and Communication

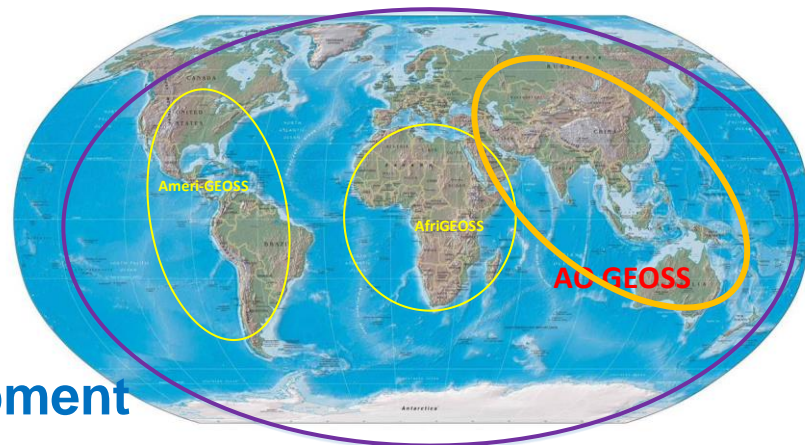
GEO Initiative(GI-22 )

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# Overview

- **Asia-Oceania region**
  - Complex geographic
  - Large population (70% of world's)
  - Climate change drastically
  - Natural disasters occur frequently
  - Unbalanced socioeconomic development
  - Deteriorating ecological environment
- **Asia-Oceania GEOSS**---a regional cooperation program on Earth observation with broad involvement
- Strengthen comprehensive ability of Earth observation and applications for sustainable development at regional level.



# Objectives



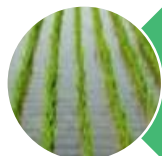
**Engage with and Coordinate all stakeholders, partners and sponsors** working together on Earth observation activities in Asia Oceania region;



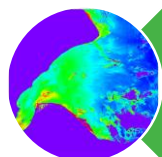
**Investigate user needs** and address gaps on implementation of GEOSS and **develop technological approaches;**



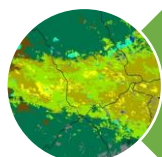
Utilize infrastructure, resources and capacity to **develop integrated and sustained observations;**



Provide a platform for regional countries to **advance data sharing and services;**



**Establish regional collaboration network** by technology supporting and knowledge sharing;



**Support decision-making and regional sustainable development** with Earth observation information.

# AOGEOSS Functional Architecture

- ❑ Biodiversity and Ecosystem Sustainability
- ❑ Disaster Resilience
- ❑ Energy and Mineral Resources Management



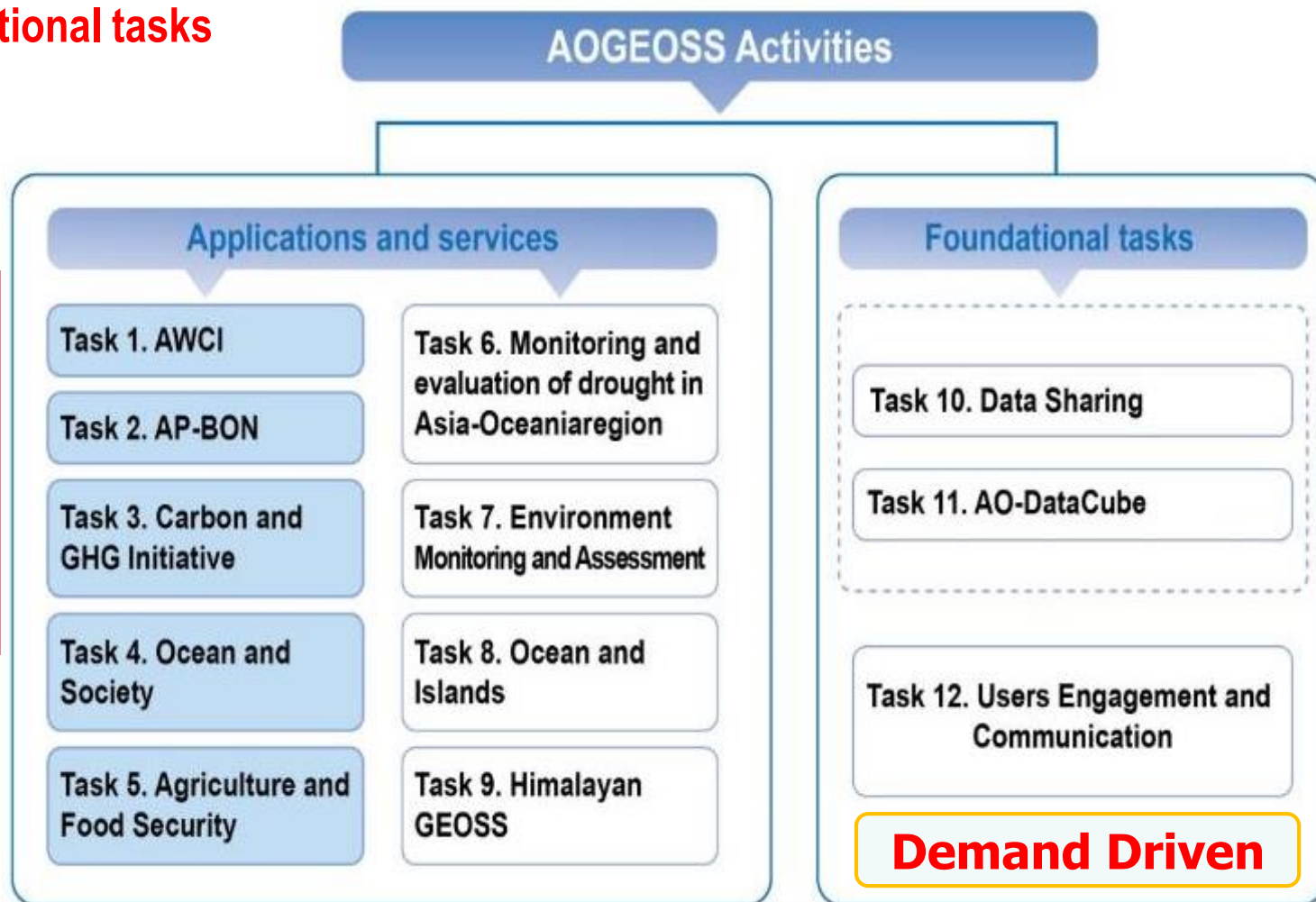
- ❑ Food Security and Sustainable Agriculture
- ❑ Infrastructure and Transport Management
- ❑ Public Health Surveillance
- ❑ Sustainable Urban Development
- ❑ Water resources Management



# AOGEOSS Activities

The AOGEOSS activities can be specified into two categories.

- the regional applications and services: Boxes with blue background represent existing AP activities; other boxes represent newly proposed ones
- the foundational tasks



East Asia  
South East Asia  
South Asia  
Central Asia  
North Asia  
West Asia  
Oceania

**Co-Leaders:** CAS, NRSCC, UTS, ISPRS,...

**Users:** National Government, Future Earth, UNEP-IEMP...

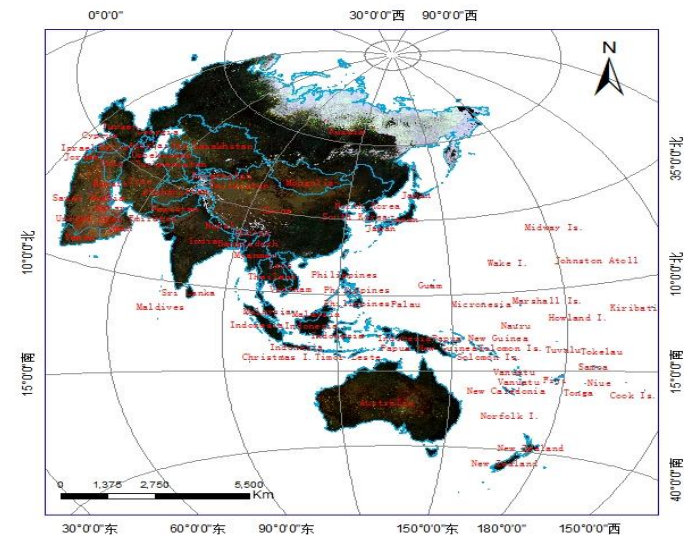
**NRSCC has continually released Annual Report on Remote Sensing Monitoring of Global Ecosystem and Environment (GEO ARC) from 2012.**

- Ecological System
- Land use/cover;
- Atmospheric Environment

✚ <http://www.nrsc.gov.cn>

✚ <http://www.geodoi.ac.cn/WebCn/Default.aspx>

✚ <http://124.16.184.151/dsp/home/index.jsp>





# Participation

AOGEOSS initiative was included in GEO work plan 2017-2019 during the GEO PLENARY on November 2016.

Participants( till Dec. 2016) :

➤ **GEO Members and countries in AO region ( 12 )**

**Australia, Bangladesh, China, India, Japan, Korea, Laos, Mongolia, Myanmar , Nepal, Pakistan; Vietnam.**

➤ **POs and other societies(13):**

**UNEP-IEMP, UNESCO-HIST, WMO, UNESCAP, CEOS, ICSU/Future Earth, ICSU/IRDR, ICIMOD, POGO, ISDE, ISPRS, GRSS, APSCO.**

**Welcome the active participation  
of all countries and POs !  
Thanks !**

